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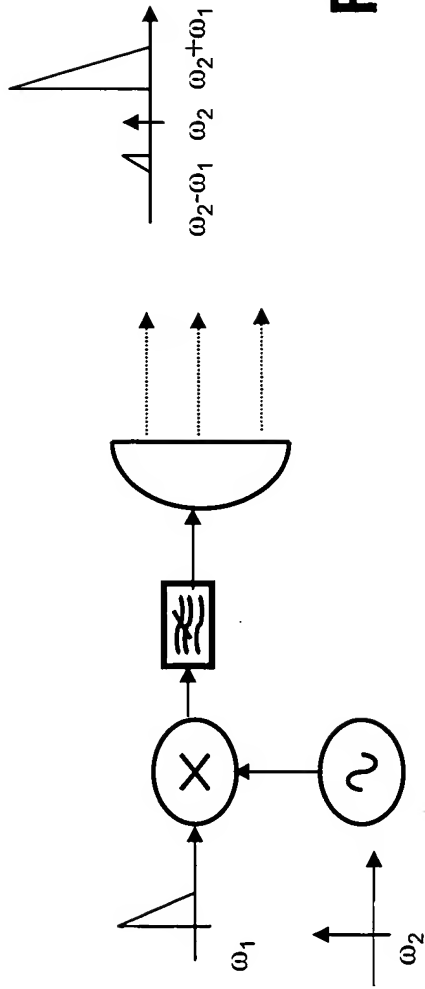


FIG. 1

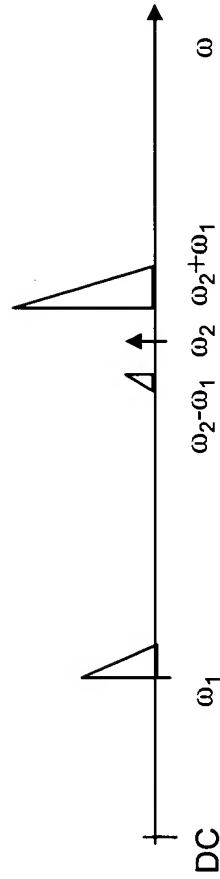


FIG. 2

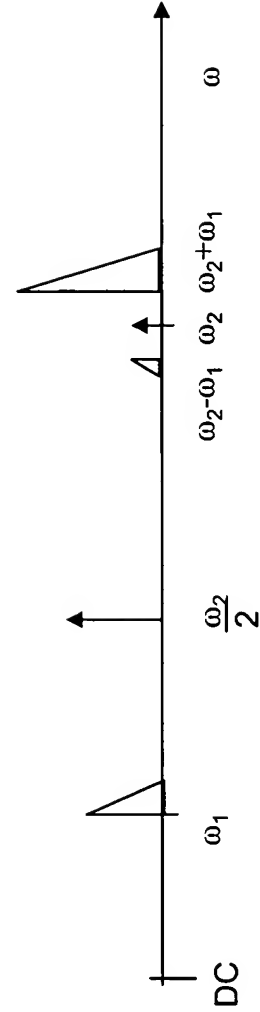
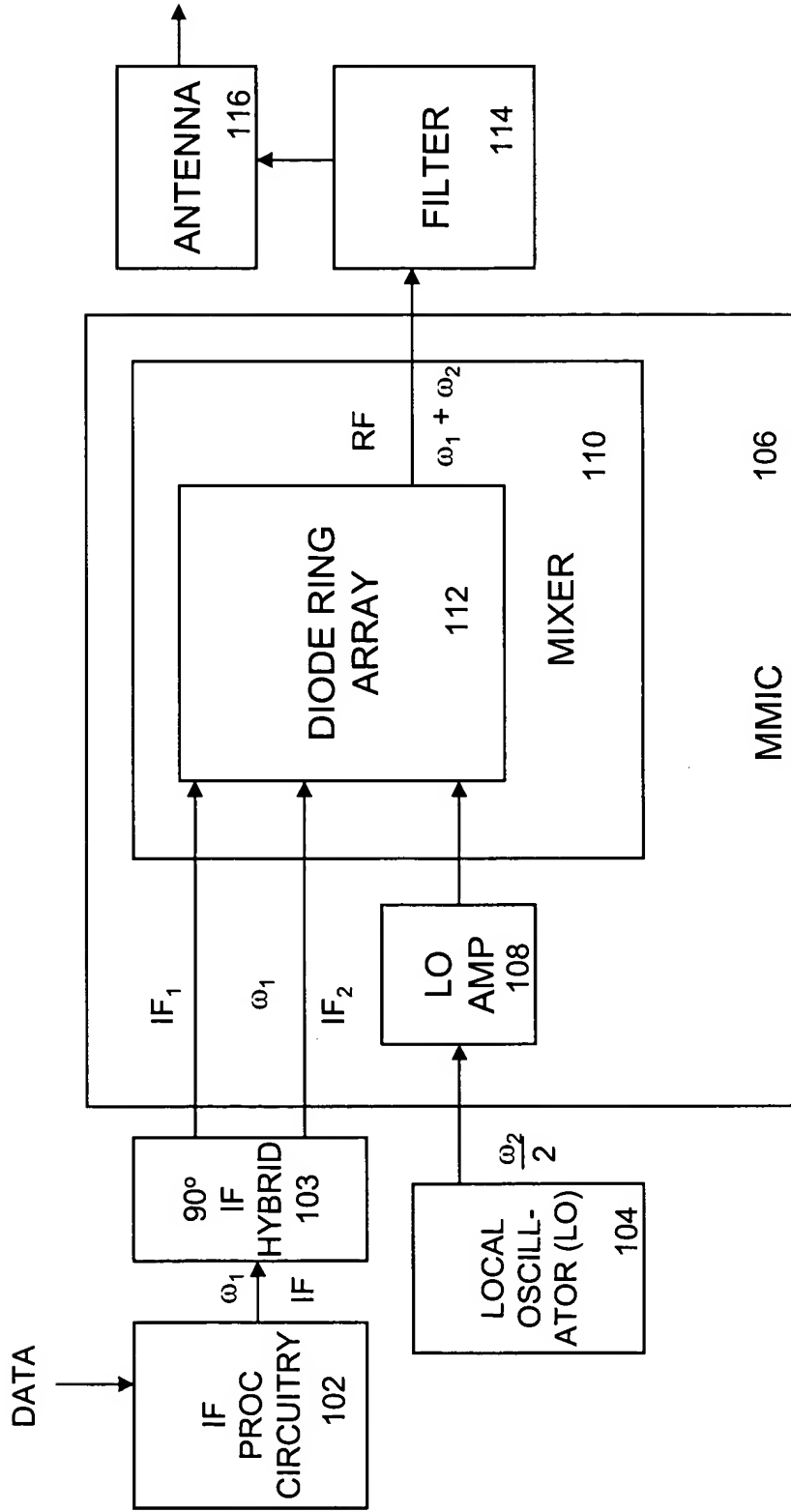


FIG. 3B



100 TRANSMITTER

FIG. 3A

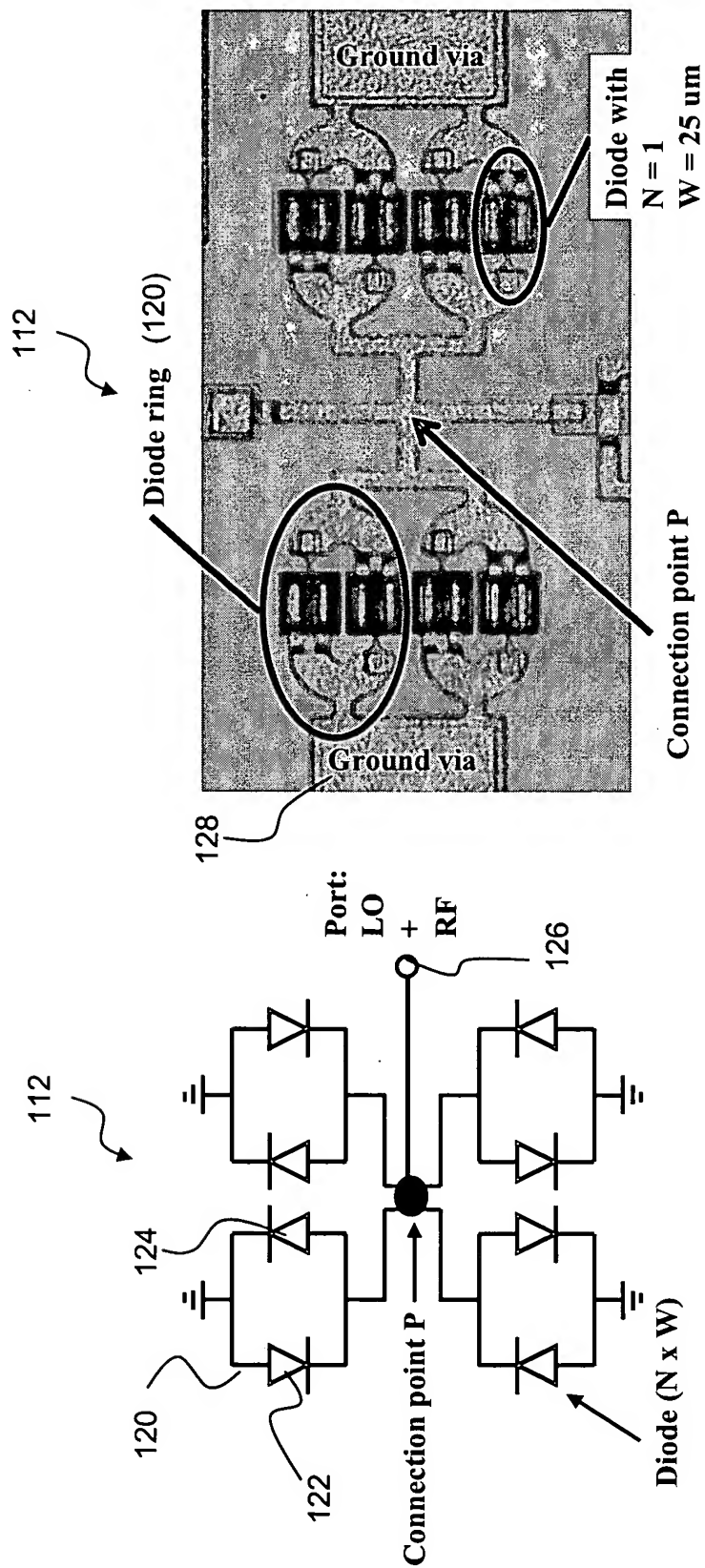


FIG. 4A

FIG. 5A

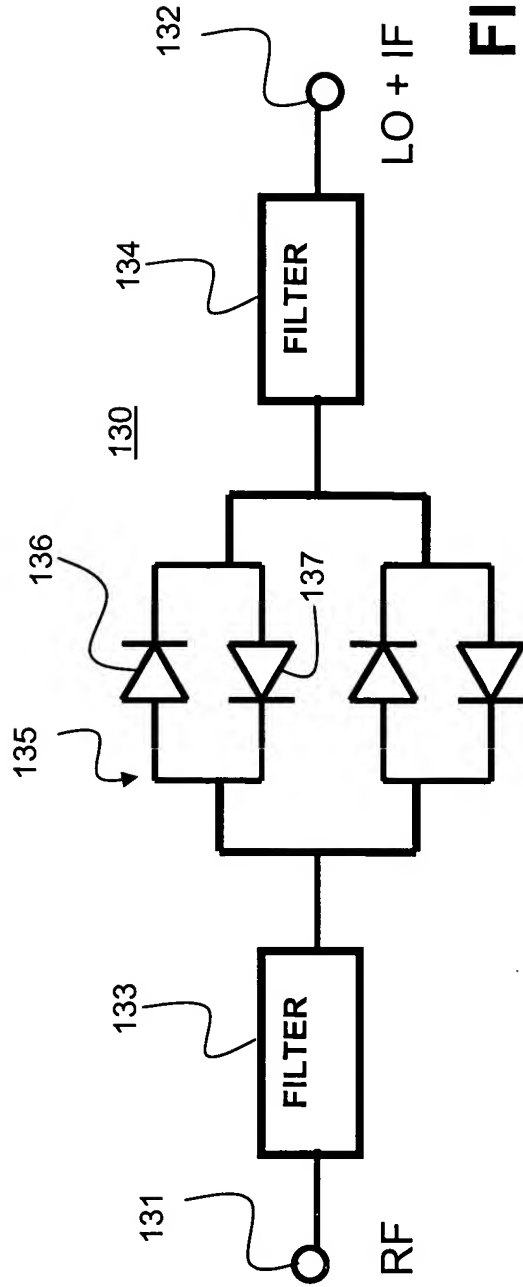


FIG. 4B

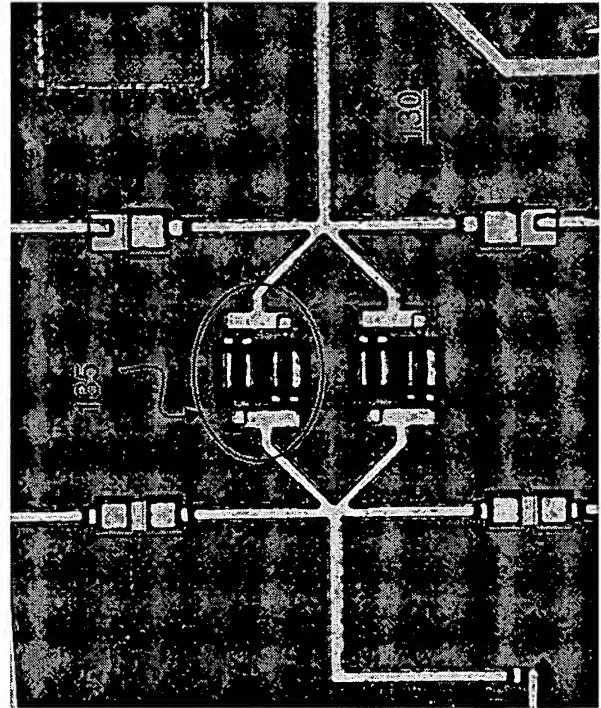


FIG. 5B

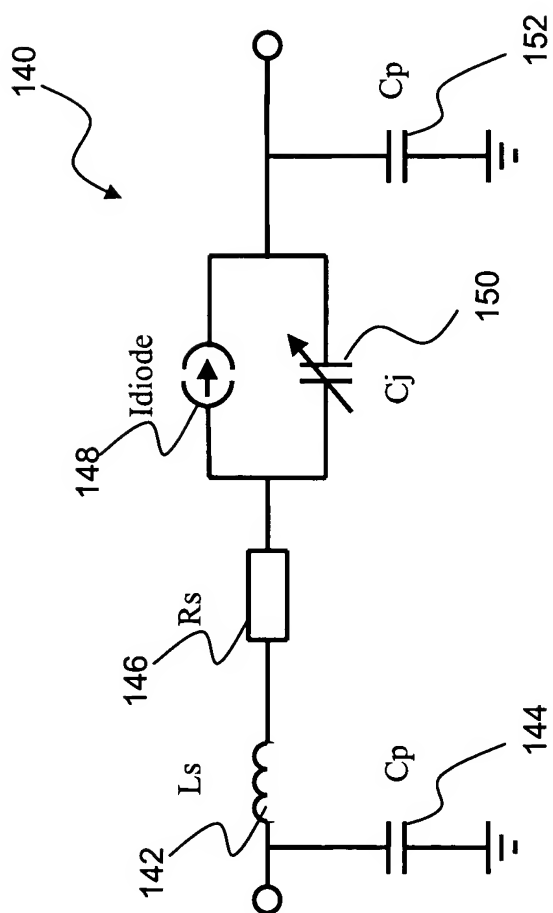


FIG. 6

FIG. 7

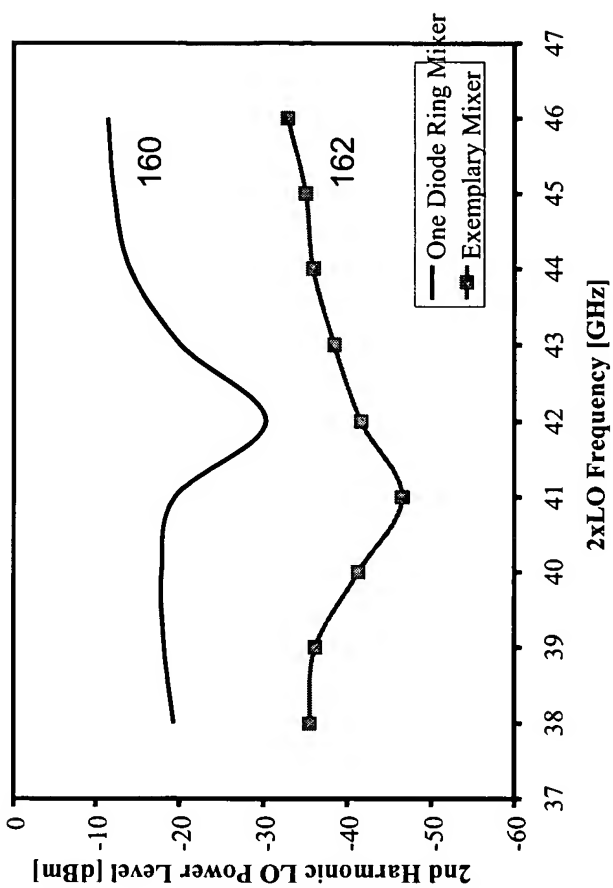
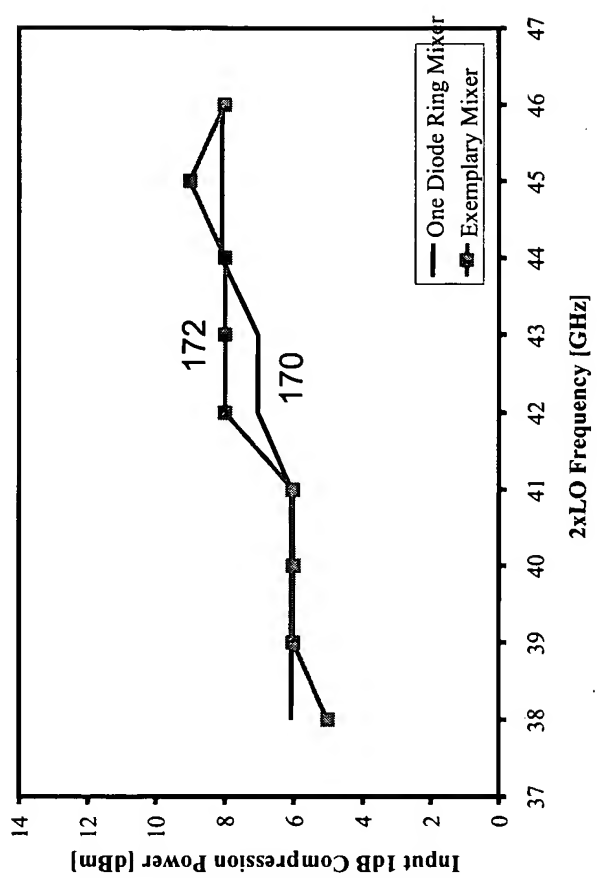
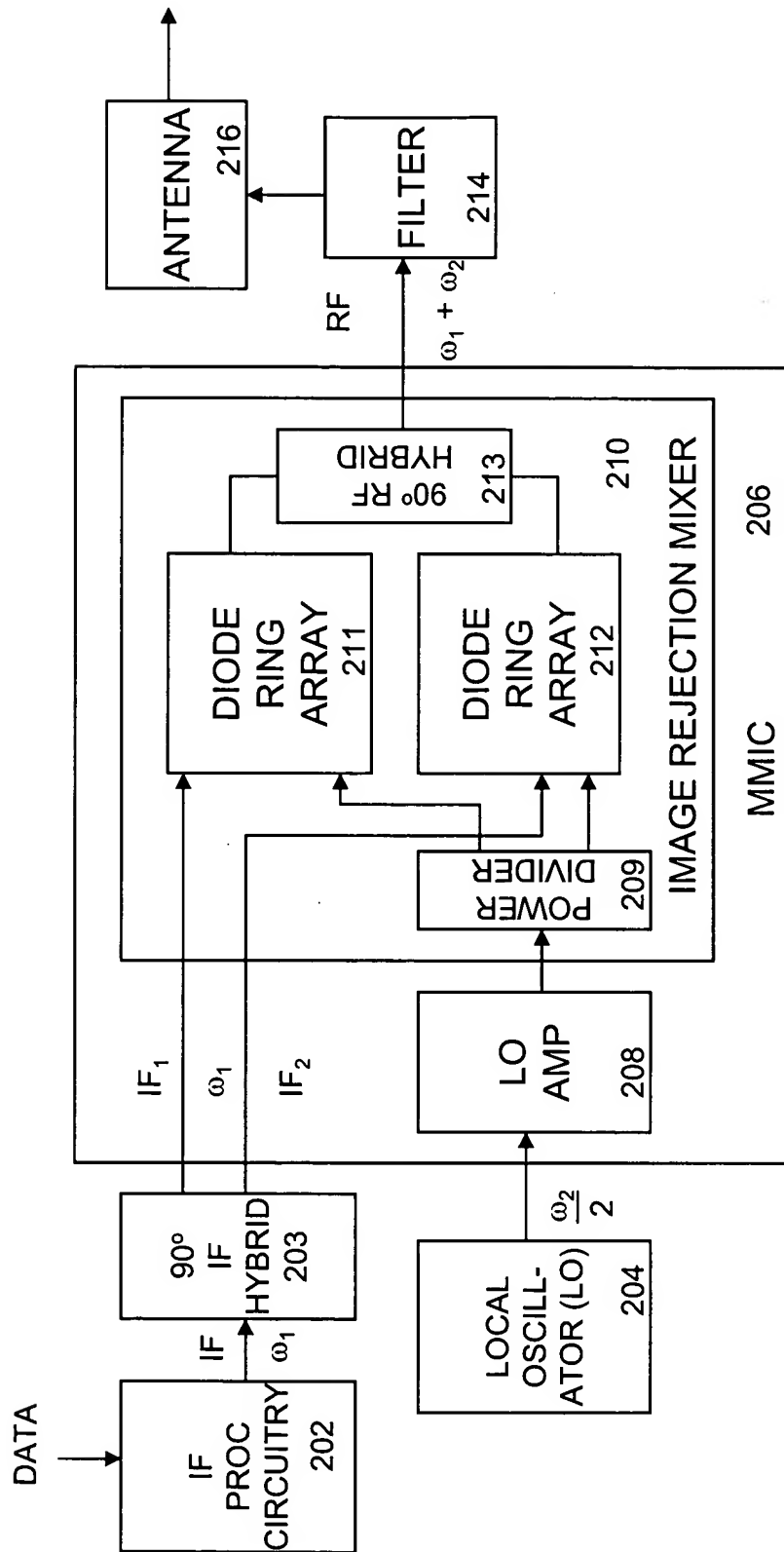


FIG. 8





200 TRANSMITTER

FIG. 9

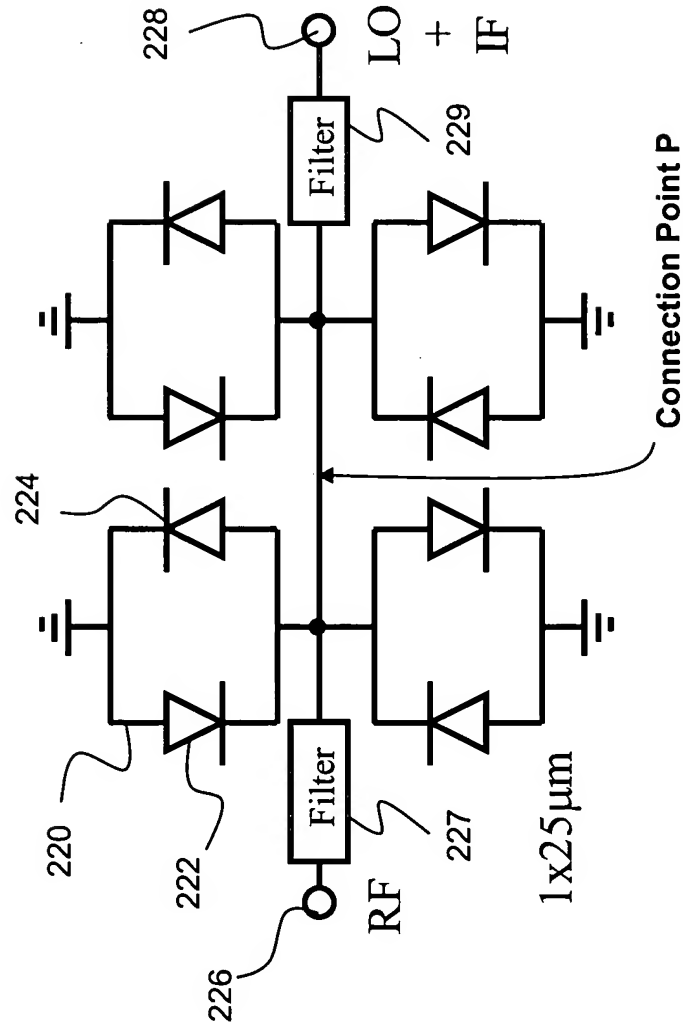


FIG. 10

Performance of Parallel Connected Mixer
 $f_{IF} = 2.1 \text{ GHz}$; $P_{LO} = 20 \text{ dBm}$

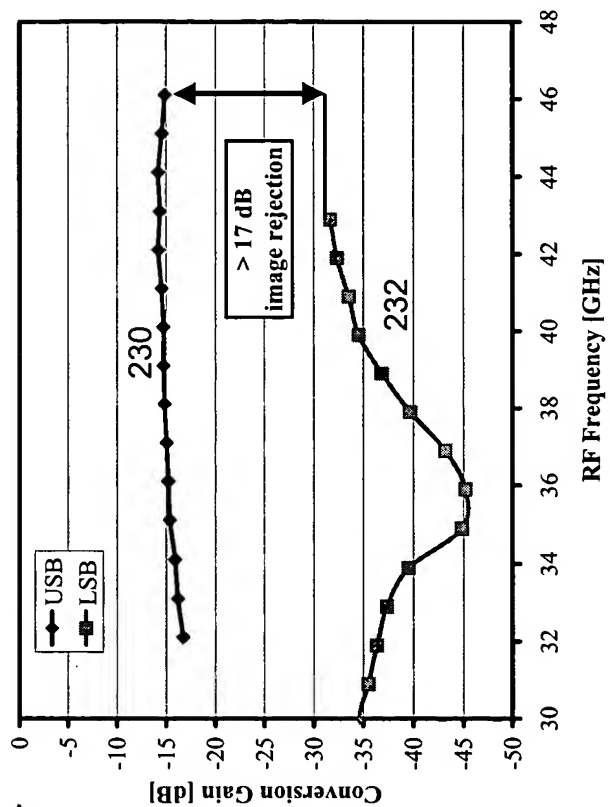


FIG. 11

Performance of Parallel Connected Mixer
 $f_{IF} = 2.1 \text{ GHz}$; $P_{LO} = 20 \text{ dBm}$

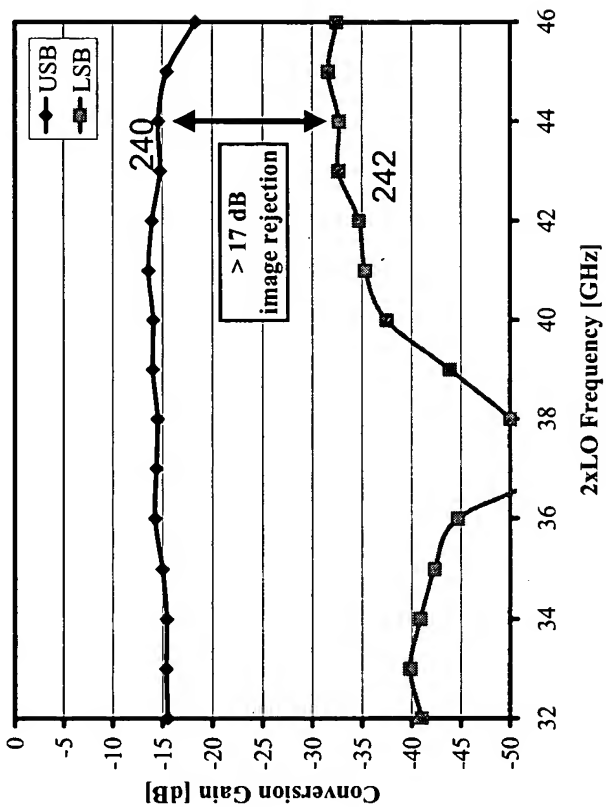
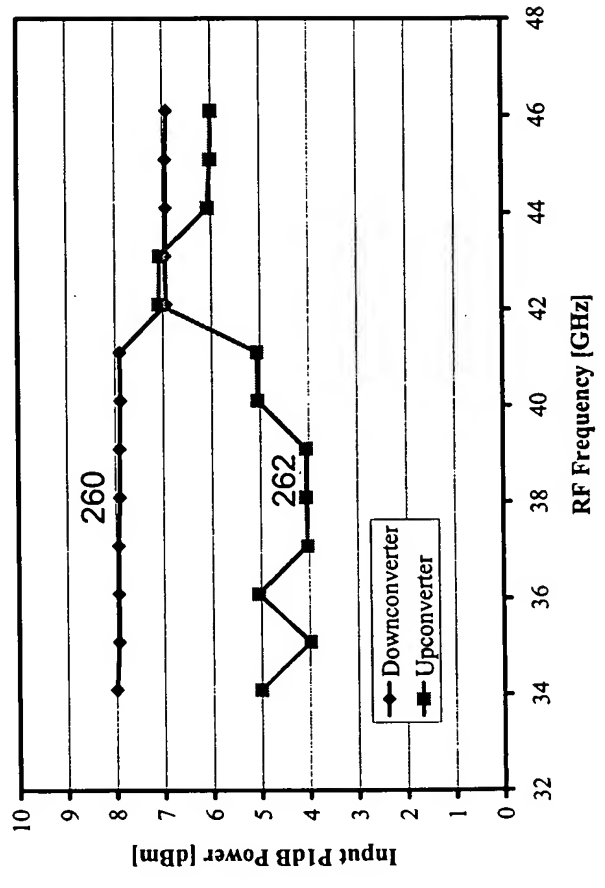
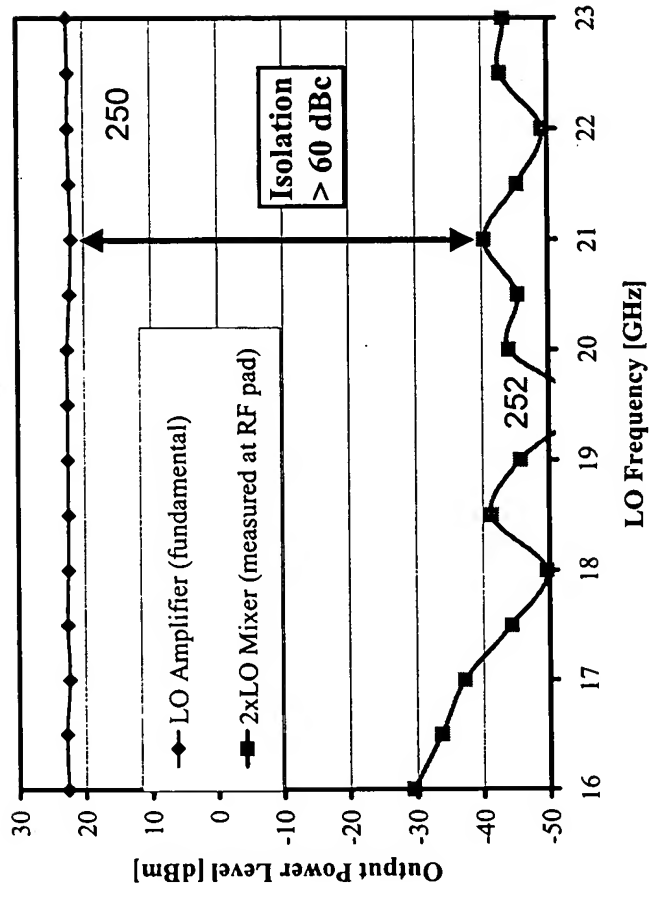


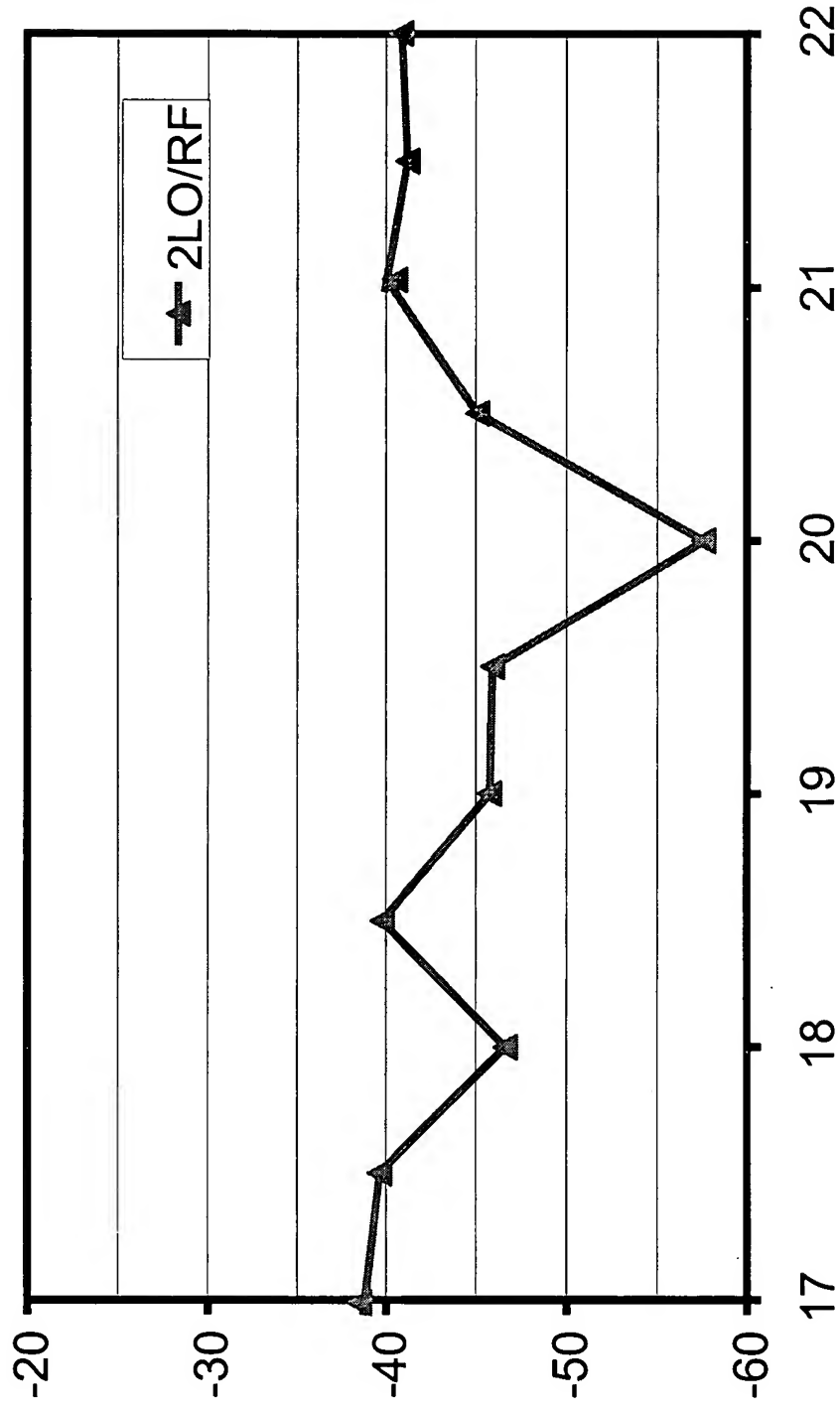
FIG. 12



Performance of Parallel Connected Mixer
fIF = 2.1 GHz; PLO = 20 dBm

P1G40_V5; $f_{IF}=2.1\text{GHz}$; $P_{LO}=20\text{ dBm}$

2XLO Power Level [dBm]



LO Frequency [GHz]

FIG. 13B

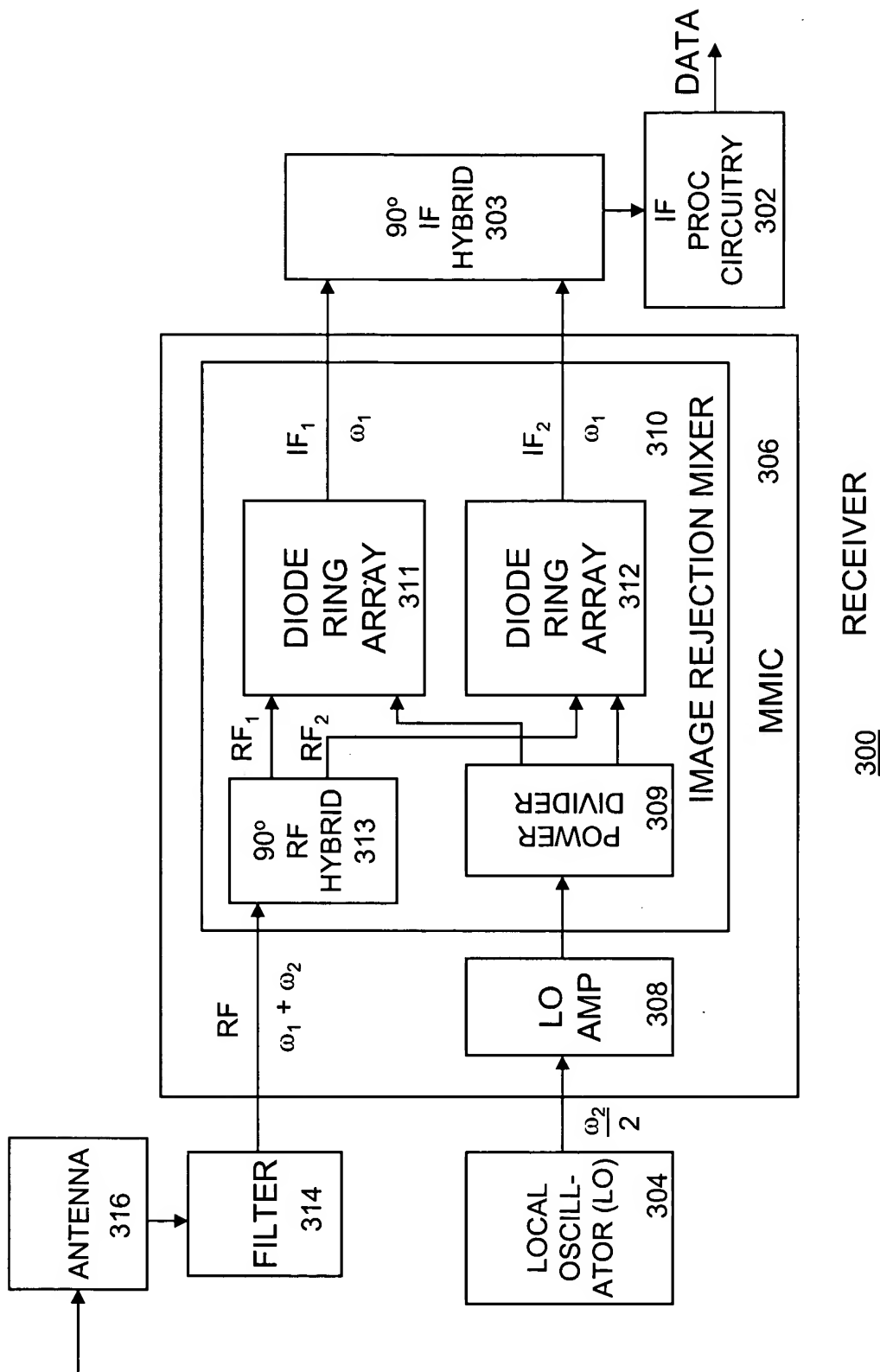


FIG. 15

Performance of Series Connected Mixer
 $f_{IF} = 2.1 \text{ GHz}$; $P_{LO} = 20 \text{ dBm}$

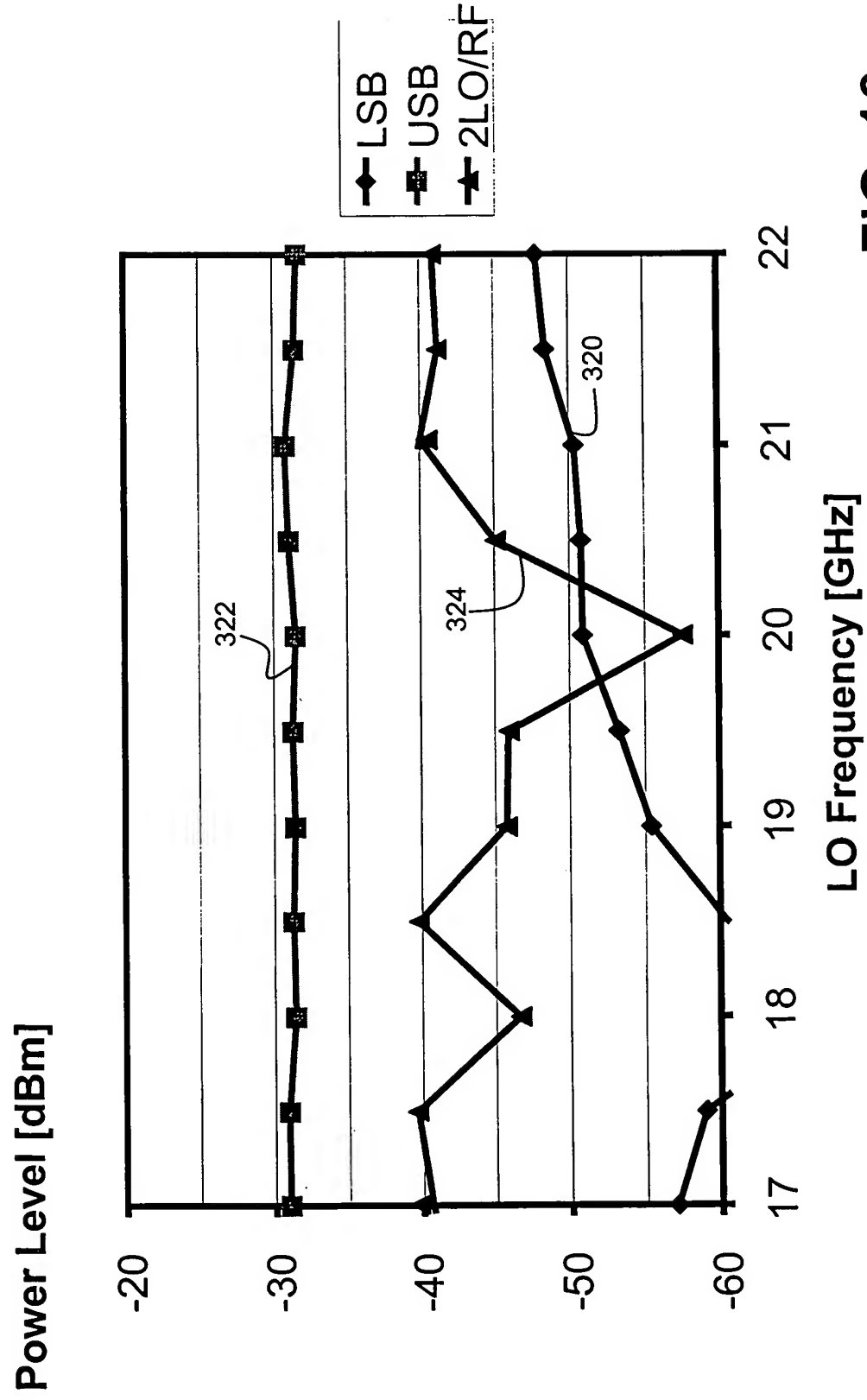


FIG. 16